

Claims

- [c1] 1. A packaging system for a single ammunition, comprising:
- a generally cylindrical container which is made of metal, said container including an open top end and a closed bottom end;
 - a cap which closes and seals said top end of said container;
 - a locking mechanism which locks said cap to the top end of said container;
 - a guiding mechanism which guides said cap onto said top end of said container before said locking mechanism is locked so that said locking mechanism is properly aligned for locking;
 - a plurality of impact rings located about said container and said cap, said rings extending laterally beyond said container and said cap to provide impact protection for said container and said cap,
 - said plurality of rings including a container bottom ring adjacent the bottom end of said container and a cap top ring adjacent said cap; and
 - a stacking mechanism whereby a plurality of said containers are securely stacked adjacent one another, said

stacking mechanism including
a first top member and a second top member located adjacent said cap top ring of said cap and located 180° from one another about said cap such that said first top member of one said cap interlocks with the second top member of an adjacent said cap, and
a first bottom member and a second bottom member located adjacent said bottom end of said container and located 180° from one another about said container such that said first bottom member of one said container interlocks with the second bottom member of an adjacent said container.

[c2] 2. A packaging system for a single ammunition as claimed in claim 1, further including:
a handle attached to said cylindrical container which fits laterally within a longitudinal profile of said impact rings;
and
a removable and adjustable shoulder strap which attaches to said container bottom ring and said cap top ring.

[c3] 3. A packaging system for a single ammunition as claimed in claim 1, and further a coating of fire-retardant paint provided on said cylindrical container and said cap.

- [c4] 4. A packaging system for a single ammunition as claimed in claim 1:
wherein said first top member and said first bottom member include male segments; and
wherein said second top member and said second bottom member include female segments in which associated said male segments are received to interlock adjacent containers.
- [c5] 5. A packaging system for a single ammunition as claimed in claim 4:
wherein said male segments are plugs which extend laterally from said cap top ring and said container bottom ring respectively; and
wherein said female segments are lateral holes in said cap top ring and said container bottom ring respectively in which associated said plugs are received to interlock adjacent containers.
- [c6] 6. A packaging system for a single ammunition as claimed in claim 1, wherein there are at least four of said impact rings.
- [c7] 7. A packaging system for a single ammunition as claimed in claim 7, wherein said impact rings are rounded octagonal shaped rings.

- [c8] 8. A packaging system for a single ammunition as claimed in claim 1:
wherein said cap top ring extends longitudinally to a longitudinal end of said cap to help protect said cap longitudinally; and
wherein said container bottom ring extends longitudinally to a longitudinal end of said bottom end of said container to help protect said bottom end longitudinally.
- [c9] 9. A packaging system for a single ammunition as claimed in claim 1, wherein said locking mechanism includes a tamper evident member.
- [c10] 10. A packaging system for a single ammunition as claimed in claim 1, wherein said locking mechanism pulls said cap longitudinally into said guiding mechanism during an initial locking movement of said locking mechanism.
- [c11] 11. A packaging system for a single ammunition as claimed in claim 3:
wherein said cap top ring extends longitudinally to a longitudinal end of said cap to help protect said cap longitudinally; and
wherein said container bottom ring extends longitudinally to a longitudinal end of said bottom end of said container to help protect said bottom end longitudinally.

- [c12] 12. A packaging system for a single ammunition as claimed in claim 11, wherein said locking mechanism includes a tamper evident member.
- [c13] 13. A packaging system for a single ammunition as claimed in claim 12, wherein said locking mechanism pulls said cap longitudinally into said guiding mechanism during an initial locking movement of said locking mechanism.
- [c14] 14. A packaging system for a single ammunition as claimed in claim 13, further including:
a handle attached to said cylindrical container which fits laterally within a longitudinal profile of said impact rings;
and
a removable and adjustable shoulder strap which attaches to said container bottom ring and said cap top ring.
- [c15] 15. A packaging system for a single ammunition as claimed in claim 14, wherein there are at least four of said impact rings.
- [c16] 16. A packaging system for a single ammunition as claimed in claim 15, wherein said impact rings are rounded octagonal shaped rings.

[c17] 17. A packaging system for a single ammunition as claimed in claim 16:
wherein said first top member and said first bottom member include male segments; and
wherein said second top member and said second bottom member include female segments in which associated said male segments are received to interlock adjacent containers.

[c18] 18. A packaging system for a single ammunition as claimed in claim 17:
wherein said male segments are plugs which extend laterally from said cap top ring and said container bottom ring respectively; and
wherein said female segments are lateral holes in said cap top ring and said container bottom ring respectively in which associated said plugs are received to interlock adjacent containers.